

ABSTRACT OF DISCLOSURE

The flow rate distribution of the fuel injected from the injection port which passes the section at a specific position of the downstream from the injection port of fuel injector has the characteristic that when the point that the periphery of the fuel spray close to the central axis of the injection port intersects with straight line L that connects respective gravities of the fuel sprays injected in two directions is assumed to be first point P1, the point that the periphery of the fuel spray far from the central axis intersects with straight line L second point P2, and the point in the middle of first point P1 and second point P2 third point P3, the peak position of flow rate on straight line L exists between first point P1 and third point P3, and the flow rate decreases with getting away from peak position on straight line L.